

KEY FEATURES

- + 500mm(W) × 300mm(H) tunnel size
- + HD image enhancement
- + Image penetration enhancement
- + Rejection of organics

BASIC PARAMETERS

Tunnel size	19.75"(W) × 11.8"(H) / 500mm(W) × 300mm(H)
Conveyor speed	0.65ft/s [0.2m/s]
Conveyor maximum load	132.25lbs [60kg]
Pass rate	700 piece/hour
Metal wire resolution	typical 38AWG / Ø0.1007mm (-0300E) typical 40AWG / Ø0.0787mm (-0300P)
Penetration through steel plate	typical 6mm (-0300E) typical 32mm (-0300P)
Dose per inspection	typical 3uGy/h
X-ray leakage	typical 2µGy/h at 2" [5cm] from the machine (-0300E) typical 1µGy/h at 2" [5cm] from the machine (-0300P)
Film safety	ISO1600 film
Food medicine and film	x-ray exposure has no adverse effects
Operating system	Linux (-0300E) / Windows (-0300P)



X-RAY GENERATOR

Tube current (adjustable)	0.4 to 1.2mA
Tube voltage (adjustable)	80kV (-0300E) / 140kV (-0300P)
Beam direction	bottom, angle, 80 degrees
Generator quantity	one (single generator)
Cooling/duty cycle	oil cooling/100%

ENVIRONMENTAL

Operating temperature	32°F to 114°F [0°C to 45°C]
Storage temperature	-4°F to 140°F [-20°C to 60°C]
Operating humidity	20% to 95% (non-condensing)
Storage humidity	20% to 95% (non-condensing)

IMAGE PROCESSING

Ray sensor	photodiode array detector single energy (-0300E) / dual energy (-0300P)
Image display	one 24" LCD, high resolution color
Image maximum resolution	1920×1080 pixels
Image storage	60,000 images
Image processing	24bit for processing real time; edge enhancement, straightening, returning, retrieval;
Image options	high penetration, low penetration, magnifier, brightening/darkening
Magnifier	1 to 64 times (whole screen continuous observation)
Multi color display for organic energy	orange for organic, blue for inorganic, green for mixture
High energy / low energy	display key
Dangerous goods aided detection	yes (weapons, drugs, explosives)

X-RAY PHYSICAL CHARACTERISTICS

Length	65.25" [1660mm] - including IN/OUT conveyor belts 37" [940mm] - excluding IN/OUT conveyor belts
Width	29.5" [746mm]
Height	45.90" [1165mm]
Conveyor belt height	26.25" [668.5mm]
Weight	551lbs [250kg] (-0300E) 668lbs [303kg] (-0300P)

GENERAL

Controls	emergency push button mouse and keyboard
Visual display	green led - device on red led - x-ray in-use / calibrating amber led - alarm
System noise	58 db
Communication	ethernet (-0300P) only

ELECTRICAL

Operating voltage	110Vac/220Vac (±10%) (specify at time of order)
Power consumption	500W (maximum) / 300W (nominal)
UPS	20 Minute Standby

PART NUMBERS

XR-0300E	x-ray machine with 500×300 tunnel size and Linux operating system (-0300E)
XR-0300P	x-ray machine with 500×300 tunnel size and Windows operating system (-0300P)